

## DERWENT PUBLICATIONS LTD.

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Laser light amblyopia treatment - using laser light source with  
varying wavelength of visible part of spectrum

MOSCEYE DISEASE 01.02.80-SU-878497

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The method of treatment of amblyopia involves exposing the  
central area of the retina to strobed light.

In order to develop form vision and to eliminate meridional  
amblyopia, the exposure to light of the central area of the retina  
is performed using a laser light source with a varying wave  
length of the visible part of the spectrum, and the angular  
dimensions of the interference bands which are in this process  
are changed during the treatment, beginning at a sub-threshold  
value. The interference bands are presented in the meridians  
which have lowered capacity to discriminate. Exposure to light  
strobing is performed for 3-5 to 7-10 cycles, and after the  
reduction of the angular dimensions of the interference bands the  
cycles are repeated. The course of treatment consists of 10-12  
sessions. This method eliminates meridional amblyopia, restores  
central fixation and develops form vision. Bul.20/30.5.82 (2pp)

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